

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



553 561



(43) International Publication Date
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number
WO 2004/096573 A2

(51) International Patent Classification⁷: B42D 15/00, G06K 19/06

(21) International Application Number: PCT/EP2004/004538

(22) International Filing Date: 29 April 2004 (29.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 03462003.9 30 April 2003 (30.04.2003) EP

(71) Applicant (for all designated States except US): HEWLETT-PACKARD MAGYARORSZAG SZAMI-TASTECHNIKAI ES ELEKTRONIKAI BERENDEZESEKET FORGALMAZO ES SZOLGALTATO KORLATOLT FELELOSSEGUTARAOSAG [HU/HU]; 1 Neumann Janos u., Budapest, H-1117 (HU).

(72) Inventors; and

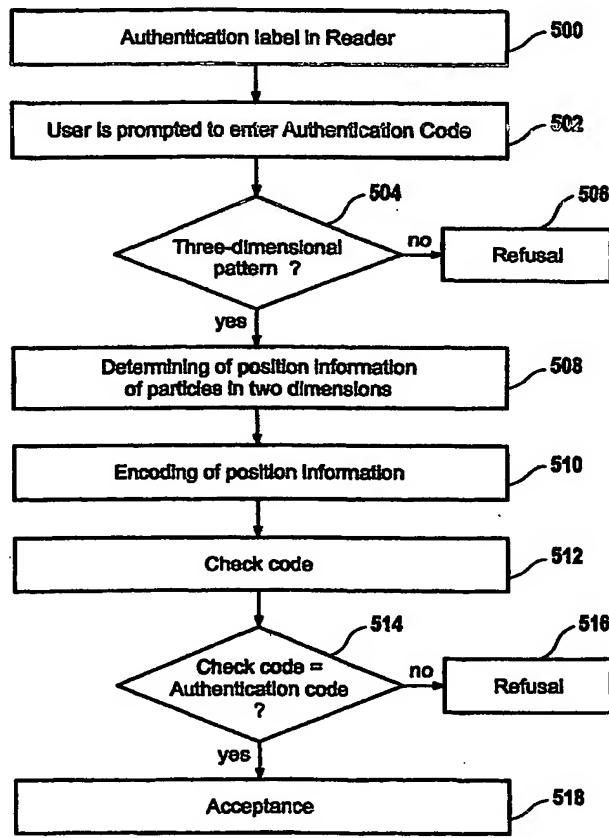
(75) Inventors/Applicants (for US only): HARASZTI, Attila [HU/HU]; Bonyh, di 106, Budapest, N/A H-1141 Hungary (HU). MARSOVSZK, Laszlo [HU/HU]; 544, Street 36, Budapest, H-1173 (HU). KATONA, Gvula [HU/HU]; Mexikoi ut 31/a, Budapest, H-1145 (HU). NEMETZ, Tibor [HU/HU]; Krisztina ter 10.5.em.19., Budapest, H-1013 (HU). DEZSO, Miklos [HU/HU]; Hunyad koz.4., Budapest, H-1121 (HU). CSIRMAZ, Laszlo [HU/HU]; Fo u. 44/a, Budajeno, H-2093 (HU). ODON, Pinter [HU/HU]; Nagykorosi u.40.11.em.11., Budapest, H-1196 (HU). FARKAS, Odon [HU/HU]; Godorhazy u.22., Gyenesdias, H-8315 (HU).

(74) Agent: MARSH, David, John; Hewlett-Packard Limited, Intellectual Property Section, Filton Road, Stoke Gifford, Bristol BS34 8QZ (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

[Continued on next page]

(54) Title: AUTHENTICATION METHOD AND SYSTEM



(57) Abstract: The present invention relates to a method for determining the authenticity of an object, the method comprising the steps of: - providing an authentication code, - determining the positions of particles being distributed in an object, - encoding of the positions to provide a check-code, - using the check-code and the authentication-code to determine the authenticity of the object.

WO 2004/096573 A2



AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.